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WIRE DRAG

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4599

Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
....., Director	
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State: Virgin Is.	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. 4599
WIRE DRAG	
LOCALITY	
St. Thomas and St. John	
Reef South of Islands	
1925	
CHIEF OF PARTY	
G.C. Mattison and C.K. Green	

GOVERNMENT PRINTING OFFICE

May 14, 1927.

Division of Hydrography and Topography:

✓ Division of Charts:

Tide reducers are approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET 4599

Locality: VIRGIN ISLANDS

Chief of Party: G. K. Green

Plane of reference is M L W

3.5 ft. on tide staff at St. Thomas

Condition of records satisfactory except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of each day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

H. H. Manner
Chief, Division of Tides and Currents.

FEB 23 12 18 PM '27

~~REPORT 1927~~
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DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
E. LESTER JONES, DIRECTOR.

VIRGIN ISLANDS

A DESCRIPTIVE REPORT
to accompany
WIRE DRAG SHEET # 4. (VIRGIN ISLANDS)

1925

S.S. RANGER

C. K. Green,
G.C. MATTISON,
Chief of Party.

DESCRIPTIVE REPORT
to accompany
WIRE DRAG SHEET #4.

VIRGIN ISLANDS

The field work on this sheet was done by a shore party under the charge of Lieut. C.K. Green in March 1925, while the RANGER was in the United States undergoing repairs. The smooth plotting was done on the RANGER in 1926. The field work was done in accordance with supplemental instructions dated January 27, 1925 and addressed to Lieut. Green.

The area dragged is the ridge lying south of St. John Island and just north of the one hundred fathom curve. No shoals were found with the drag. The launches MARINDIN, MITCHELL and TENDER #4 were used with standard drag equipment.

Respectfully submitted.

G. C. Mathison

STATISTICS, WIRE DRAG SHEET #4.

Date	Letter	Volume	Drag Length	Positions	Miles Stat.	Soundings
March 23, 1925	A	1	3600	27	7.0	0
March 24, 1925	B	1	4000	28	5.8	0
March 25, 1925	C	1	4000	29	8.2	0
March 26, 1925	D	1	3600	7	4.2	0
" " "	D	1	4000	8	(
March 27, 1925	E	1	4000	34	8.7	0
				133	33.9	0

Area dragged-----18.5 square statute miles.

Plane of reference---M.P.L.-----0.5 feet.

Tide gauge in St. Thomas Harbor.

Plane of reference, reading on gauge- 5.25 feet.

Lowest tide observed, reading on gauge- 4.9 feet.

Highest tide observed, reading on gauge-6.8 feet.

LIST OF TRIANGULATION SIGNALS

Pete

Norman

Minnahill

Ram

Camel

Dog

Thatch

Top

On Frenchman's Cap.

Boek

East

Saba

Sail

Rend.

LIST OF TOPOGRAPHIC SIGNALS.

Head

LIST OF HYDROGRAPHIC SIGNALS.

Plan

Transferred from hydro-
graphic sheet #2.

AND REFER TO NO. 11-DRM

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

June 19, 1928.

SECTION OF FIELD RECORDS

Report on Wire Drag Sheet No. 4599

Reef South of St. Thomas and St. John

Surveyed in 1925

Instructions dated January 27, 1925 (C. K. Green)

Chiefs of Party, G. C. Mattison, C. K. Green.

Surveyed by C. K. G., A. Ogram.

Protracted and inked by W. R. Porter.

Verified and Area and Depth Sheet by A. L. Shalowitz.

1. This survey was an examination of the coral reef lying about seven miles south of St. Thomas and St. John.
2. The records conform to the General Instructions for drag work.
3. The work conforms to the requirements of the specific instructions as to depth. The hydrographic sheet covering this same area has not yet been verified, so the consideration as to whether the survey covers the reef or not will be deferred until that sheet is completed.
4. No groundings occurred in this examination.
5. The junction with W. D. 4743^b will be taken up when that sheet is reviewed.
6. The usual field plotting was done by the field party. The work was generally good. Some errors were found in the protracting. In all cases where the field plotting leaned to the side of safety no corrections were made.
7. Character and scope of field operations - excellent.
Field drafting - very good.
8. Reviewed by A. L. Shalowitz, May, 1928.

Approved:

Chief, Section of Field Records (Charts)

Chief, Section of Field Work (H. & T.)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

WIRE DRAG SHEET #4

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 4599

4599

State . . Virgin Islands

General locality . . St. Thomas and St. John Islands

Locality . . Reef south of Islands

Chief of party . C.K. Green, C.C. Mattison

Surveyed by . . C.K. Green, A. Ogram

Date of survey . . March 1925

Scale 1:40,000

Soundings in Feet

Plane of reference . . M.T.L. -0.5 ft.

Protracted by . W.R. Pears. Soundings in pencil by ***** .

Inked by . . . W.R.P. . . Verified by

Records accompanying sheet (check those forwarded):

Des. report, Tide books, Marigrams, 1 Boat sheets,

2 Sounding books, 2 Wire-drag books, Photographs.

Data from other sources affecting sheet

Hydrographic sheet #4

Remarks: